

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-34. (Canceled)

35. (New) A medical device for use within a body lumen of a patient, the device comprising:  
a stent comprising:

a first anchoring segment locatable on the proximal side of the external sphincter, the first anchoring segment having a distal end terminating on the proximal side of the external sphincter when the device is placed within the body of the patient;

a second anchoring segment locatable on the distal side of the external sphincter, the second anchoring segment having a proximal end terminating on the distal side of the external sphincter when the device is placed within the body of the patient; and

a connecting segment locatable in the external sphincter when the device is placed within the body of the patient, the connecting segment disposed between and coupling together the first anchoring segment and the second anchoring segment; and  
a removal segment attached to the stent.

36. (New) The medical device of claim 35 wherein at least one of the first anchoring segment and the second anchoring segment comprises a coil having a plurality of windings.

37. (New) The medical device of claim 35 wherein the first anchoring segment comprises a coil having a plurality of windings and the second anchoring segment comprises a coil having a plurality of windings and the windings of the first anchoring segment and the second anchoring segment are sized and configured to progressively uncoil upon application of a continuous tensile force to the removal segment.

38. (New) The medical device of claim 35 wherein at least one of the first anchoring segment and the second anchoring segment defines a lumen.

39. (New) The medical device of claim 37 wherein at least one of the first anchoring segment, the second anchoring segment, and the connecting segment further comprise an inner core and an outer coating covering at least a portion of the inner core.
40. (New) The medical device of claim 35 wherein the proximal end of the first anchoring segment and the distal end of the second anchoring segment include one or more hooks to permit connection to a delivery system.
41. (New) The medical device of claim 35 wherein the proximal end of the first anchoring segment comprises an atraumatic tip.
42. (New) The medical device of claim 35 wherein at least one of the first anchoring segment and the second anchoring segment comprises a cross-sectional shape selected from the group consisting of circular, elliptical, rectangular, square, and triangular.
43. (New) A medical device for use within a body lumen of a patient, the device comprising:  
a stent comprising:  
a coil having a plurality of windings and locatable on the proximal side of the external sphincter, the coil having a distal end terminating on the proximal side of the external sphincter when the device is placed within the body of the patient;  
an anchoring segment locatable on the distal side of the external sphincter, the anchoring segment having a proximal end terminating on the distal side of the external sphincter when the device is placed within the body of the patient; and  
a connecting segment locatable in the external sphincter when the device is placed within the body of the patient, the connecting segment disposed between and coupling together the coil and the anchoring segment; and  
a removal segment attached to the stent.
44. (New) The medical device of claim 43 wherein the anchoring segment comprises a second coil having a plurality of windings.
45. (New) The medical device of claim 44 wherein the windings of the coil and the anchoring segment second coil are sized and configured to progressively uncoil upon application of a continuous tensile force to the removal segment.

46. (New) The medical device of claim 43 wherein the coil defines a lumen.
47. (New) The medical device of claim 43 wherein at least one of the coil and the anchoring segment comprises a cross-sectional shape selected from the group consisting of circular, elliptical, rectangular, square, and triangular.
48. (New) A delivery system for placement of a medical device within a body lumen of a patient, the delivery system comprising:
- a rotatable element having a first end, a second end, and a first connection arm hingedly coupled to the first end; and
  - a stationary element having a first stationary element end, a second stationary element end, and a second connection arm disposed on the first stationary element end, the stationary element comprises a lumen sized to receive the rotatable element.
49. (New) The delivery system of claim 48 wherein the rotatable element is positioned inside the lumen, the first end of the rotatable element is disposed proximal to the first stationary element end, and the second end of the rotatable element is disposed proximal to the second stationary element end.
50. (New) The delivery system of claim 48 wherein the rotatable element comprises a second lumen.
51. (New) The delivery system of claim 48 wherein the second connection arm extends radially outward from the first stationary element end.
52. (New) The delivery system of claim 48 wherein the first connection arm further comprises an opening adapted to receive at least a portion of a first anchoring segment and the second connection arm further comprises an opening adapted to receive at least a portion of a second anchoring segment.
53. (New) The delivery system of claim 52 further comprising:
- a medical device for use within a body lumen of a patient, the device comprising:
    - a stent comprising:
      - a first anchoring segment having a distal end terminating on the proximal side of the external sphincter when the device is placed within the body of the

patient, a portion of the first anchoring segment coupled to the opening in the first connection arm; and

a second anchoring segment having a proximal end terminating on the distal side of the external sphincter when the device is placed within the body of the patient, a portion of the second anchoring segment coupled to the opening in the second connection arm.

54. (New) The delivery system of claim 53 wherein the medical device further comprises a removal segment attached to the stent.